ELSEVIER

Available online at www.sciencedirect.com

SCIENCE DIRECT®

Sedimentary Geology 163 (2004) 333–334

Sedimentary Geology

www.elsevier.com/locate/sedgeo

Contents Volume 163

Research papers

Late Messinian to Early Pliocene paleoenvironmental changes in the Melilla Basin (NE Morocco) and their relation to Mediterranean evolution
J.-M. Rouchy, C. Pierre, M. Et-Touhami, K. Kerzazi, A. Caruso and M.-M. Blanc-Valleron 1

U–Pb ages of detrital zircons from Permian and Jurassic eolian sandstones of the Colorado Plateau, USA: paleogeographic implications
W.R. Dickinson and G.E. Gehrels 29

Lower Cambrian paleosols from the Cantabrian Mountains (northern Spain): a comparison with Neogene–Quaternary estuarine analogues
J.J. Álvaro, B. Van Vliet-Lanoë, E. Vennin and M.-M. Blanc-Valleron 67

Numerical modelling of drainage basin evolution and three-dimensional alluvial fan stratigraphy
Q. Clevis, P. de Boer and M. Wachter 85

Facies and sequence stratigraphy of Eocene palaeovalley fills in the eastern Eucla Basin, South Australia
B. Hou, N.F. Alley, L.A. Frakes, P.R. Gammon and J.D.A. Clarke 111

Mid-depth calcareous contourites in the latest Cretaceous of Caravaca (Subbetic Zone, SE Spain). Origin and palaeohydrological significance
J. Martín-Chivelet, M.A. Fregenal-Martínez and B. Chacón 131

Deev Jahi Model of the Permian–Triassic boundary mass extinction: a case for gas hydrates as the main cause of biological crisis on Earth
E. Heydari and J. Hassanzadeh 147

Research papers

Eogenetic siderite as an indicator for fluctuations in sedimentation rate in the Oligocene Boom Clay Formation (Belgium)
B. Laenen and M. De Craen 165

Mio–Pliocene to Pleistocene paleotopographic evolution of Brittany (France) from a sequence stratigraphic analysis: relative influence of tectonics and climate
N. Brault, S. Bourquin, F. Guillocheau, M.-P. Dabard, S. Bonnet, P. Courville, J. Estéoule-Choux and F. Stepanoff 175

Late-Pleistocene seismites from Lake Issyk-Kul, the Tien Shan range, Kyrghyzstan
D. Bowman, A. Korjenkov and N. Porat 211

Two types of plane beds under upper-flow-regime in flume experiments: evidence from grain fabric
K. Yagishita, J. Ashi, S. Ninomiya and A. Taira 229

Temporal–spatial reconstruction of the early Frasnian (Late Devonian) anoxia in NW Africa: new field data from the Ahnet Basin (Algeria)
S. Lüning, J. Wendt, Z. Belka and B. Kaufmann 237

doi:10.1016/S0037-0738(03)00360-9

Clay-mineral distribution patterns in late Neogene fluvial sediments of the Subathu sub-basin, central sector of Himalayan foreland basin: implications for provenance and climate
N. Suresh, S.K. Ghosh, R. Kumar and S.J. Sangode 265
Saline pan deposits from the ~1.8 Ga Makgabeng Formation, Waterberg Group, South Africa
E.L. Simpson, K.A. Eriksson, C.A. Kuklis, P.G. Eriksson, A.J. Bumby and C.F. van Jaarsveld 279
The significance of dropstones in a tropical lacustrine setting, eastern Cameros Basin (Late Jurassic–Early Cretaceous, Spain)
S. Doublet and J.-P. Garcia 293
An integrated law of the wall for hydrodynamically transitional flow over plane beds
J.P. Le Roux 311

Discussions
A discussion of the paper "A simple method to predict the threshold of particle transport under oscillatory waves" by J.P. Le Roux
Z.-J. You and B.-S. Yin 323
Le Roux, J.P., 2001. A simple method to predict the threshold of particle transport under oscillatory waves. Sedimentary Geology 143 (2001): 59–70—Reply to discussion
J.P. Le Roux 327

Author Index Volume 163 (2004) 331

Contents Volume 163 (2004) 333